

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
17 June 2004 (17.06.2004)

PCT

(10) International Publication Number
WO 2004/050572 A1

(51) International Patent Classification⁷: C03B 37/018,
37/029

(21) International Application Number:
PCT/FI2003/000934

(22) International Filing Date: 5 December 2003 (05.12.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
20022162 5 December 2002 (05.12.2002) FI

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(81) Designated States (national): AE, AG, AL, AM, AT (util-
ity model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA,

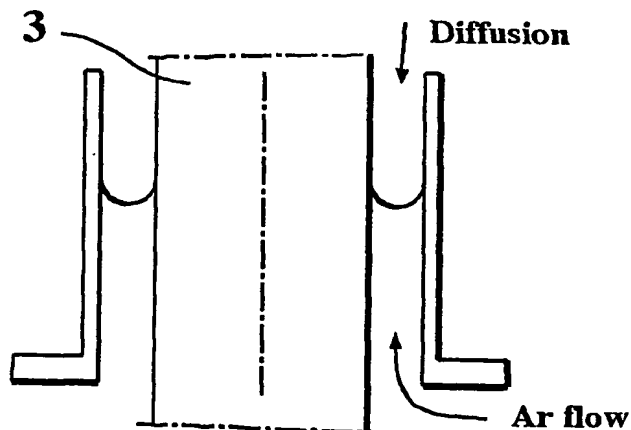
CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (util-
ity model), DE, DK (utility model), DK, DM, DZ, EC, EE
(utility model), EE, EG, ES, FI (utility model), FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,
KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN,
MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU,
SC, SD, SE, SG, SK (utility model), SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (regional): ARIPO utility model (BW),
ARIPO patent (BW), ARIPO utility model (GH), ARIPO
patent (GH), ARIPO utility model (GM), ARIPO patent
(GM), ARIPO utility model (KE), ARIPO patent (KE),
ARIPO utility model (LS), ARIPO patent (LS), ARIPO
utility model (MW), ARIPO patent (MW), ARIPO utility
model (MZ), ARIPO patent (MZ), ARIPO utility model
(SD), ARIPO patent (SD), ARIPO utility model (SL),
ARIPO patent (SL), ARIPO utility model (SZ), ARIPO
patent (SZ), ARIPO utility model (TZ), ARIPO patent
(TZ), ARIPO utility model (UG), ARIPO patent (UG),
ARIPO utility model (ZM), ARIPO patent (ZM), ARIPO
utility model (ZW), ARIPO patent (ZW), Eurasian patent
(AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European
patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI,
SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— with international search report

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR MAKING OPTICAL FIBRES



(57) Abstract: Method and apparatus for producing glass products of predetermined shape. In the method, a preform is introduced into a furnace and heated to a temperature above the softening point of the glass. The heated portion is subjected to tensile forces and drawn from the furnace through an outlet opening. During processing, inert gas is fed into the furnace. According to the invention, the concentration of gaseous impurities in the furnace is maintained on the same level as in the inert gas fed into the oven. To prevent inflow of undesired gaseous components from the ambient air, a diffusion barrier is established by generating a barrier flow of inert gas in the inlet or outlet openings. This barrier flow has a direction of flow, which is opposite to the direction of the diffusion. The invention provides non-contacting sealing between the furnace the preform while optimizing the consumption of protective gas. The invention also allows for simultaneous rotation of the preform.

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